

Title (en)  
SYSTEMS AND METHODS TO PRODUCE B CELLS GENETICALLY MODIFIED TO EXPRESS SELECTED ANTIBODIES

Title (de)  
SYSTEME UND VERFAHREN ZUR HERSTELLUNG VON GENETISCH MODIFIZIERTEN B-ZELLEN ZUR EXPRESSION AUSGEWÄHLTER ANTIKÖRPER

Title (fr)  
SYSTÈMES ET MÉTHODES POUR PRODUIRE DES LYMPHOCYTES B GÉNÉTIQUEMENT MODIFIÉS POUR EXPRIMER DES ANTICORPS SÉLECTIONNÉS

Publication  
**EP 3697895 A1 20200826 (EN)**

Application  
**EP 18869188 A 20181019**

Priority

- US 201762575275 P 20171020
- US 201762580303 P 20171101
- US 201862623371 P 20180129
- US 2018056789 W 20181019

Abstract (en)  
[origin: WO2019079772A1] Systems and methods to genetically modify B cells to express selected antibodies are described. The systems and methods can be used to: obviate the need for classical vaccinations; provide protection against infectious agents for which no vaccinations are currently available; provide protection against infectious agents when patients are otherwise immune-suppressed; and/or provide a benefit provided by a therapeutic antibody, such as in the treatment of autoimmune disorders.

IPC 8 full level  
**C12N 5/078** (2010.01); **C12N 5/0781** (2010.01); **C12N 15/90** (2006.01)

CPC (source: EP IL KR US)  
**A61K 39/12** (2013.01 - EP IL US); **A61K 39/4612** (2023.05 - EP IL KR US); **A61K 39/4622** (2023.05 - EP IL KR US);  
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**C07K 16/00** (2013.01 - IL KR); **C07K 16/082** (2013.01 - US); **C07K 16/085** (2013.01 - US); **C07K 16/087** (2013.01 - US);  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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**WO 2019079772 A1 20190425**; AU 2018351072 A1 20200604; AU 2018351072 B2 20240822; AU 2018351072 B9 20240905;  
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IL 274082 A 20200630; JP 2021500028 A 20210107; JP 2024016201 A 20240206; JP 7383607 B2 20231120; KR 20200085781 A 20200715;  
MX 2020004063 A 20201005; SG 11202003024W A 20200528; US 11578118 B2 20230214; US 2021198344 A1 20210701;  
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**US 2018056789 W 20181019**; AU 2018351072 A 20181019; BR 112020007823 A 20181019; CA 3079681 A 20181019;  
CN 201880080021 A 20181019; EP 18869188 A 20181019; IL 27408220 A 20200420; JP 2020522004 A 20181019; JP 2023190846 A 20231108;  
KR 20207014413 A 20181019; MX 2020004063 A 20181019; SG 11202003024W A 20181019; US 201816757707 A 20181019;  
US 202318166151 A 20230208